Polypropylene M9675

Technical Data Sheet
Polypropylene – Random Copolymer
Produced in the United States

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Description

Polypropylene M9675 is an isotactic propylene copolymer produced via TotalEnergies proprietary catalyst technology.

Heat Sealable: M9675 produces films with excellent heat seal performance and outstanding optical properties.

Recommended Applications: M9675 is an excellent material for use as a heat sealable layer in production of coextruded biaxially oriented films due to its good processing, excellent optics, very low extractables, low seal initiation temperature and exceptional hot tack seal strength properties.

Processing: M9675 is a narrower molecular weight distribution product than conventional propylene copolymers. M9675 processes well on film extrusion equipment with typical melt temperatures of 425-525°F (218-274°C).

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238	g/10 min	11
Film Properties, Non-Oriented			
Flexural Modulus	D-790	psi (MPa)	83,000 (570)
Tensile Modulus	D-638	psi (MPa)	121,000 (830)
Tensile Strength @ Yield	D-638	psi (MPa)	3,100 (20)
Tensile Elongation @ Yield	D-638	%	8.1
Izod (73°F, Notched)	D-256A	ft-lb/in (J/m)	1.0 (53)
Thermal Properties(1)			
Melting Point	DSC(2)	°F (°C)	246 (119)
Heat Deflection Temperature @ 66 psi	D-648	°F (°C)	150 (65)
Other Physical Properties			
Density	D-1505	g/cc	0.90

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.
(2) MP determined with a DSC-2 Differential Scanning Calorimeter. Test procedure available upon request.

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All tests were run under laboratory conditions. ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of TotalEnergies products must be guided by the users own methods for selection of proper formulation. TotalEnergies Petrochemicals & Refining USA Inc. disclaims any responsibility for misuse or misapplication of its products. TotalEnergies MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TotalEnergies' liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at customer option to replacement of non-performing goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.